The Commonwealth of Massachusetts

STATE TEACHERS COLLEGE AT WORCESTER

Established 1871

1950—1951—1952

Accredited by the
American Association of Colleges
for Teacher Education

Four-year courses leading to
degree of
Bachelor of Science in Education

Kindergarten-Primary Curriculum
Elementary Curriculum
Junior and Senior High School
Curriculum

The Commonwealth of Massachusetts

DEPARTMENT OF EDUCATION

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School Nurse

ALICE B. SAWYER, R.N.

Schools of Observation

MAY STREET SCHOOL—TATNUCK SCHOOL

(Affiliated with Teachers College for the purpose of observation and participation)

Elizabeth M. Shea, May Street School	Principal
Marion M. Conroy	Grades 4–5
Helen Kenney	Kindergarten
Dorothy McQueeney	Grade 3
Winifred C. Kennedy, Tatnuck School	Principal
Laura M. Connor	Grade 1
Irene M. Kennedy	Grade 4
Margaret E. Maher	Grade 6
Agnes S. Rougvie	Grade 6
Margaret J. Shea	Grade 2
Catherine M. Sullivan	Grade 8

Administration

Helene D. Chapman	Principal Clerk
Catherine M. Healy	Junior Clerk
Thomas R. Lynch	Senior Clerk

COLLEGE CALENDAR

1950–1951

Sept. 11, 1950, Monday	Registration—all classes Orientation of Freshmen
Sept. 12, 1950, Tuesday	Classes begin
Oct. 12, 1950, Thursday	Columbus Day
Nov. 11, 1950, Saturday	Armistice Day
Nov. 22, 1950, Wednesday	Thanksgiving recess begins at noon
Nov. 27, 1950, Monday	Classes resumed
Dec. 20, 1950, Wednesday	Christmas recess begins
Jan. 2, 1951, Tuesday	Classes resumed
Jan. 17–22, 1951, Wednesday through Monday	Semester examinations
Jan. 23, 1951, Tuesday	No classes
Jan. 24, 1951, Wednesday	Second semester begins
Feb. 17, 1951, Saturday	Recess begins
Feb. 26, 1951, Monday	Classes resumed
Mar. 23, 1951, Friday	Good Friday
April 14, 1951, Saturday	Recess begins
April 23, 1951, Monday	Classes resumed
May 27, 1951, Sunday	Baccalaureate
May 30, 1951, Wednesday	Memorial Day
May 23–31, 1951, Thursday through Thursday	Final examinations
June 1, 1951, Friday	Class Day
June 2, 1951, Saturday	Alumni Day
June 3, 1951, Sunday	Commencement

1951–1952

Sept. 10, 1951, Monday	Registration—all classes Orientation of Freshmen
Sept. 11, 1951, Tuesday	Classes begin
Oct. 12, 1951, Friday	Columbus Day
Nov. 11, 1951, Sunday	Armistice Day
Nov. 21, 1951, Wednesday	Thanksgiving recess begins at noon

COLLEGE CALENDAR

1951–1952

Nov. 26, 1951, Monday	Classes resumed
Dec. 21, 1951, Friday	Christmas recess begins
Jan. 2, 1952, Wednesday	Classes resumed
Jan. 14–17, 1952, Monday through Thursday	Semester examinations
Jan. 18, 1952, Friday	No classes
Jan. 21, 1952, Monday	Second semester begins
Feb. 16, 1952, Saturday	Recess begins
Feb. 25, 1952, Monday	Classes resumed
April 11, 1952, Friday	Good Friday
April 19, 1952, Saturday	Recess begins
April 28, 1952, Monday	Classes resumed
May 23–29, 1952, Friday through Wednesday	Final examinations
May 25, 1952, Sunday	Baccalaureate
May 29, 1952, Thursday	Class Day
May 30, 1952, Friday	Memorial Day
May 31, 1952, Saturday	Alumni Day
June 1, 1952, Sunday	Commencement

Historical Statement

The establishment of the State Teachers College at Worcester was authorized by legislative resolve in 1871. At that time it was called the State Normal School at Worcester, the name which it retained until 1932.

In 1880, through the cooperation of the Superintendent of Schools and of the School Committee of Worcester, a plan of apprenticeship for the students in training was inaugurated in the city public schools. This plan is still in successful operation.

In 1921 the four-year course, leading to the degree of Bachelor of Science in Education, was established.

In 1929 a resolve was passed by the Legislature, authorizing the erection of a new building, on a site to be provided for this purpose by the City of Worcester, without cost to the State. The site secured (known as the Lincoln Farm), comprised twenty acres located at the junction of May and Chandler Streets. The Legislatures of 1930 and 1931 made appropriations of $365,000.00 for the erection of a new teachers college plant on this land. The building was completed in 1931 and was first occupied in January, 1932.

In 1932 the name of the institution was changed by Act of Legislature to State Teachers College at Worcester.

Facilities

The Teachers College has an excellent library, in charge of a trained librarian, where students may be assured of quiet hours for reading, study, and research. The library contains more than 16,000 volumes of reference books, and is well stocked with daily papers and magazines.

A cafeteria lunchroom is maintained at the Teachers College. Here, from 8:00 A.M. to 3:30 P.M. on days when the College is in session, a variety of wholesome and attractive food is served at very reasonable prices.

The Teachers College has a thoroughly modern gymnasium and an auditorium which will seat six hundred.

Organized College Activities

Cercle Francais
Debating Society
Dramatic Club
Geography Club
Glee Club
International Relations Club
Kappa Delta Pi, National Scholastic Honor Society
Literary Club
Newman Club
Students Advisory Council
Women's Athletic Association
Men's Athletic Association
Student Christian Association

Expenses

The following summary indicates as nearly as possible the regular expenses for which each student must plan in an annual budget.

I. Fee for residents of Massachusetts
$75.00 a year: $37.50 to be paid at the opening of the college year in September and $37.50 at the opening of the second semester.

II. Fee for non-residents of Massachusetts
$300.00 a year: $150.00 to be paid at the opening of the college year in September and $150.00 at the opening of the second semester.

III. Fee for all students
A student assessment of $15.00 is charged each student, $7.50 payable at beginning of each semester. This fee is to cover the following items for the entire year.

1. Shower fee
2. College parties
3. Admission to all public performances of the Dramatic and Glee clubs
4. College publications
5. Student handbook
6. Benevolences
7. Expenses of Student Advisory Council
8. Expenses of New York Conference
9. Expenses of miscellaneous activities
10. Admission to athletic contests.

Textbooks and Supplies—Students are expected to meet the expense of all necessary textbooks and supplies at an approximate cost of $50.00 a year.

SCHOLARSHIP

The following scholarships are available for students in the College:

For Freshmen

The William B. Aspinwall Scholarship
The M. Harriette Bishop Scholarship
The Nancy Burncoat Scholarship
The Esther Forbes Scholarship
The Alumnae Scholarship
The Newman Club Scholarship
The Gold Star Scholarship (men only)
The Esther C. Averill Memorial Scholarship

For Upperclassmen

The Tryphosa Bates-Batcheller Scholarship
The Olive Higgins Prouty Scholarship
The Alumnae Scholarship

Each scholarship pays $75.00 and is assigned to selected students on the basis of scholarship and need. In addition to these outright grants, the President of the College has at his disposal funds which may be loaned to deserving students according to their needs.

Applications for scholarships should be made by May 1.

REQUIREMENTS FOR ADMISSION

I. Application for Admission. Every candidate for admission to a teachers college is required to fill out a blank entitled "Application for Admission to State Teachers Colleges" and send it to the president of the Teachers College of his choice. This blank may be obtained at the high school or the teachers college and may be filed after January 1 of the year in which the candidate desires to enter. The blank should be filed by March 27. Applications will be accepted after March 27, but, in any of the Teachers Colleges where waiting lists are established, as explained in VII, candidates applying after this date will be placed on waiting lists following the September examinations.

II. Blank to be Filed by the High School Principal. The principal of the high school is expected to fill out a blank giving the "High School Record" for each year, and a "Rating of Personal Characteristics" and send it to the President of the Teachers College.

III. General Qualifications. Every candidate for admission as a regular student must meet the following requirements:

1. Health. The candidate must be in good physical condition and free from any disease, infirmity, or other defect which would render him unfit for public school teaching. A statement from the family physician and examination by the college physician are required evidences in this regard.

2. High School Graduation. The candidate must be a graduate of a standard four-year high school, or have equivalent preparation.

3. Completion of Fifteen Units of High School

Work. The "High School Record" must show the completion of fifteen units accepted by the high school in fulfillment of graduation requirements or the candidate must present evidence of equivalent preparation.

"A unit represents a year's study in any subject of a secondary school so planned as to constitute approximately one-fourth of a full year of work for a pupil of normal ability. To count as a unit, the recitation periods shall aggregate approximately 120 sixty-minute hours. Time occupied by shop or laboratory work counts one-half as much as time in recitation."

4. Personal Characteristics. The "Rating of Personal Characteristics" and the moral character of the candidate must, in the judgment of the President of the Teachers College, warrant the admission of the candidate.

IV. Scholarship Requirements for Admission by Certificate. (For admission by Examination, see V) Of the 15 units presented for admission 12 must be selected from Number 2 following and must include the 7 units listed in this paragraph as "Prescribed." The additional 3 units required may consist of any work which the high school accepts in partial fulfillment of its graduation requirements.

1. *Prescribed 7 Units.*

English	3 units
American History and Civics	1 unit
Algebra	1 unit*
Geometry	1 unit*
Science	1 unit

2. *Distribution of Units for Certified Applicants.*

The units must be so distributed that the number offered in any field, including the prescribed units, shall not be more than the following: English, 3 units; Social Studies, 4 units; Science, 3 units; Foreign Language, 5 units (no credit accepted for less than 2 units of any one language); Mathematics, 3 units; Commercial Subjects, 2 units*, Fine and Practical Arts, 2 units*, and Physical Education, 1 unit.**

3. *Admission by Certificate. (Plan 1)*

The privilege of certification is extended to public and private schools and academies in the Commonwealth of Massachusetts. The Teachers Colleges will accept the certificating grade regularly established by the individual school for college entrance. Units of certification will be determined on the same basis as units of credit, subject to the restrictions of this bulletin.

The Department of Education reserves the right to withdraw the privilege of certification from any institution when its students fail to measure up to the standards required by the Department. The responsibility of the high school will continue through the freshman year in the Teachers Colleges.

Admission by certificate is granted to candidates who present work of certificating grade in 12 units as follows: Seven from the prescribed list and five others from the list given under IV, 2. The number of units offered is subject to the restriction of IV, 2.

In the case of subjects which continue for two years, the grade for the last year must be a certificating grade in order that both units may be accepted for certification. If the subjects continue for three or four years, the grade for one other year, as well as the grade for the last year, must be a certificating grade in order that 3 or 4 units may be accepted for certification.

In the case of English, only 3 units will be accepted among the required 12 units. A fourth unit of English may be accepted as one of 3 additional units.

4. *Admission by Certificate.* (*Plan II*)

Students in the upper quarter of the high school or college preparatory class, are eligible for admission without examination, provided that they have completed fifteen units and have received passing grades in the seven units listed as "Prescribed."

V. Admission by Examination

Students who are not eligible for admission by certificate or by reason of upper quarter standing as described in the foregoing, but who possess a high school diploma or its equivalent and are interested in teaching, may be admitted to the Teachers Colleges on the successful completion of aptitude tests prescribed by the Department of Education. Candidates applying under this provision will be personally interviewed at the Teachers College to which application is being made. Their standing will be determined by the scholastic and personality records, examination scores and personal interviews.

VI. Place and Time of Examinations

Examinations may be taken in April and September at any state teachers college (including the Massachusetts School of Art).

VII. Admission as Advanced Students

Students who have attended or are graduates of normal schools or colleges may be admitted as regular or advnaced students, under conditions approved by the Department.

Schedule of Aptitude Tests for 1951
(all day — beginning at nine o'clock)

April 3, 1951 and September 7, 1951

College Year Begins

September 11, 1950 September 10, 1951

Requirements for Promotion and Graduation

1. A system of quality points is in force in all of the State Teachers Colleges. Under this system, grades will be given the following values: A-4, B-3, C-2, D-1.

2. The number of quality points which a student receives in a course is determined by multiplying the total number of semester hours in the course by the corresponding number of quality points, *e.g.*, a six-semester-hour course with a rating of "A" has a value of 24 quality points. The average is computed by dividing the total number of quality points by the total number of semester hours.

3. The average of the grades required for promotion or graduation is two. Students with an average of less than two must withdraw from college unless permission to repeat the year is given by the Director of the Teachers Colleges on the recommendation of the President for such reasons as illness, home difficulties, etc.

4. Incomplete grades for the first semester must be made up within eight weeks after termination of the course. Incomplete grades for the second semester must be made up within eight weeks after the opening of college. (No course may be marked "incomplete" unless 80% of the work has been done at the time of discontinuance).

5. The determination of quality points is made at the end of each college year and, excepting when the year is repeated, the number of points is not affected by grades in courses subsequently taken and passed.

6. No student will be admitted to the senior class who has any deficiencies in his or her scholastic record.

7. "E" grades can never be removed, but the subjects in which they have been received must be repeated and passed, or, in the case of electives, other approved courses must be taken and passed, before September 1 of the senior year. These courses must be taken in approved summer sessions, or, when possible, during the regular college year. Continuing subjects, in which "E" grades have been received, must be successfully repeated before the student may take advanced work.

8. The grade for a repeated course will be recorded in the college records as "Repeated and passed at ..... (COLLEGE) with a grade of....." The grade for courses substituted for electives will be recorded in the same way with the elimination of "Repeated."

CURRICULUMS OFFERED

1. A four-year curriculum preparing for teaching in the kindergarten primary field.
2. A four-year curriculum preparing for teaching in the elementary field.
3. A four-year curriculum preparing for teaching in the secondary field.

During the first two years the courses are the same in all curriculums. Emphasis is on content to provide a rich background. Decision concerning the selection of curriculum is made at the end of the sophomore year.

English, French, Geography and History are major fields in the junior and senior high school course. Each student in the secondary course prepares in two major and one minor field. Any of the above fields, plus Science and Mathematics, may be a minor field. At least twenty-four semester hours must be earned in a major field and eighteen semester hours in a minor field.

	Subjects	*Periods*	*Semester Hrs.*
	ART		
I	Art	3	3
II (E)	Art	4	3
III-El.	Art as Education	2	2

	Subjects	*Periods*	*Semester Hrs.*
	Education		
I (E)	Kindergarten–Primary I and II	6	6
III	Principles of Teaching	6	4
III	Conference	1	0
III	Practice Teaching	–	12
III	Secondary Education	2	2
IV	Hist. and Phil. of Ed.	2	2
IV	Tests and Measurements	3	3
II (El)	Kindergarten–Primary III and IV	6	6
	English		
I	English Composition	3	3
I	Speech	2	1
I	Lit. Types and Forms	3	3
II	Speech	2	1
II	Survey of English Lit.	3	3
II	Survey of Amer. Lit.	3	3
II (E)	Modern Literature	3	3
II (E)	19th Century Poetry	3	3
III-El.	Reading	3	3
III	Speech	1	½
III-Sec.	Reading in Jr. and Sr. High School	3	3
IV-El.	Children's Lang. and Lit.	4	4
IV-El.	Contemporary Lit.	3	3
IV (E)S.	Shakespeare	3	3
IV (E)S.	18th Century Lit.	3	3
IV (E)S.	World Lit.	5	5
	French		
I (E)	Int. to Adv. St. of French	6	6
II (E)	Hist. of F. Lit.	6	6
III (E)S.	Adv. F. Comp. and Lit.	3	3
III (E)S.	Classical Per. in F. Lit.	3	3
IV (E)S.	F. Lit. of the 19th Cent.	6	6
	Geography		
II	Prin. of Geog.	3	3
II	Geog. of N. Amer.	3	3
IV-El.	Reg. Geog., E. and W. Hemispheres	6	6
III (E)S.	Physiography	3	3
III (E)S.	Climatology	3	3
IV (E)S.	Ec. & Pol. Geog.	6	6
	History		
I	World History	6	6
I (E)	World Affairs	6	6
II	U. S. History	3	3
II	Government	3	3
II (E)	Cult. & Dipl. Hist. of Mod. Eu.	6	6
III (E)S.	Ancient History	3	3
III (E)S.	English Hist.	3	3
IV (E)S.	Hist. of U. S. since 1865	5	5
	Mathematics		
I	Introd. to Math.	3	3
I (E)	College Algebra	3	3
I (E)	Solid Geometry	3	3
II (E)	Introd. to Math. Anal.	6	6
III-El.	Arithmetic	3	3
III (E)S.	Calculus	3	3

	Subjects	*Periods*	*Semester Hrs.*
	Music		
II	Music	3	3
III-El.	Teaching of Music	2	2
	Physical Education		
I	Physical Education	2	1
I	Hygiene	2	2
II	Physical Education	2	1
III	Physical Education	2 sem.	½
IV	Physical Education	2	1
	Pyschology		
I	Adjustments and Men. Hyg.	2	2
III	Educ. Psychology	3	3
III-El.	Child Psychology	2	2
IV-S.	Psy. of Adolescence	2	2
IV	Mental Hygiene	2	2
	Science		
I	Biology	6	5
II	Phy. Science	5	4
IV-El.	Nature Study	2	2
IV-El.	Teaching of Science	2	2
III(E)S.	Chemistry	4	3
IV (E)S.	Physics	6	6
	Social Science		
IV	Economics	3	3
IV	Sociology	3	3
IV-El.	Tchg. of S. Science	2	2
	Handwriting		
II	Handwriting	1	½
III-El.	Tchg. of Handwriting	1	½

First Year

Subjects	*Periods*	*Semester Hrs.*
Adjustment and mental hygiene	2	2
Art	3	3
English composition	3	3
Introduction to mathematics	3	3
Physical education and hygiene	3	1½
Speech	1	½
World history	3	3
Elective	3	3
	21	19
Biological science	6	5
Literary types and forms	3	3
Physical education and hygiene	3	1½
Speech	1	½
World history	3	3
Elective	3	3
	19	16

Each elective course meets three periods weekly for the full year and counts six semester hours of credit.

College algebra and solid geometry
Introduction to the advanced study of French
World affairs
Kindergarten — Primary I and II

Second Year

Subjects	*Periods*	*Semester Hrs.*
Music	3	3
Handwriting	1	½
Physical education	2	½
Principles of geography	3	3
Speech	1	½
Survey of American literature	3	3
United States history	3	3
Elective	3	3
	19	16½
Geography of North America	3	3
Government (Federal and State)	3	3
Physical education	2	½
Physical science	5	4
Speech	1	½
Survey of English literature	3	3
Elective	3	3
	20	17

Each elective course meets three periods weekly for the full year and counts six semester hours of credit.

Cultural and diplomatic history of modern Europe
History of French literature
Introduction to mathematical analysis
Kindergarten—Primary III and IV
Modern literature and 19th century poetry
Art II

Elementary School Curriculum

Third Year

Subjects	*Periods*	*Semester Hrs.*
Arithmetic	3	3
Art as education	2	2
Educational psychology	3	3
Physical education	2	½
Principles of teaching	6	4
Reading	3	3
Teaching of music	2	2
Teaching of handwriting	1	½
	22	18
Child psychology	2	2
Conference	1	0
Speech	1	½
Practice teaching		12
	4	14½

During the training period students will return to the college for class work and conferences one day each week. There are no electives during the third year.

Fourth Year

Subjects	*Periods*	*Semester Hours*
Children's language and literature	4	4
Economics	2	2
History and philosophy of education	2	2
Nature study	2	2
Physical education	2	½
Regional geography—western hemisphere	3	3
Teaching of social studies	2	2
	17	15½
Contemporary literature	3	3
Mental hygiene	2	2
Physical education	2	½
Regional geography—eastern hemisphere	3	3
Sociology	2	2
Teaching science	2	2
Tests and measurements	3	3
	17	15½

Junior and Senior High School Curriculum

For students preparing to teach special subject fields in grades VII-XII

Note: During the first two years the courses are the same in both curriculums.

Third Year

Subjects	*Periods*	*Semester Hrs.*
Mental hygiene	2	2
Physical education	2	½
Sociology	3	3
Elective	12	12
	19	17½
Economics	3	3
Educational psychology	3	3
Physical education	2	½
Principles of teaching	6	4
Reading—Jr. and Sr. high schools	3	3
Secondary education	2	2
	19	15½

First Semester

Each elective course meets six periods weekly (3 periods for *a.* and 3 periods for *b.*) for a semester and counts six semester hours of credit. Choose two—one from each group.

Group I

a. The classical period in French literature

b. Advanced French composition and literature

a. Climatology
b. Physiography
a. Calculus
b. Chemistry

Group II

a. Ancient history
b. English history
a. 18th century literature
b. Shakespeare

Fourth Year

Subjects	*Periods*	*Semester Hrs.*
Conference	1	0
Psychology of adolescence	2	2
Practice teaching		12
	3	14
History and philosophy of education	2	2
Physical education	2	½
Tests and measurements	3	3
Electives	11	11
	18	16½

During the training period students will return to the college for class work and conference one day each week. There are no electives during the first semester.

Second Semester

The courses in Group I below meet six periods weekly for a semester and count six semester hours of credit. The courses in Group II meet five periods weekly for a semester and count five semester hours of credit.

Group I

a. Economic and political geography
b. French literature of the 19th century
c. Physics

Group II

a. History of the United States since 1865
b. World literature

Courses of Instruction

Note: The work in the first two years is the same for both curriculums. All courses are required excepting those marked elective (E).

First Year

I. Adjustment and Mental Hygiene. Mr. Shea. One semester: two periods weekly. (Two semester hours).

The aim of this course will be to assist the young student to adjust satisfactorily to college life and strengthen the foundations for a wholesome personality, emotional health and intelligent living in a modern world. Class discussions; case histories; demonstrations; inventories. Much time will be devoted to consultation with individual students.

I. Art. Miss Shaw. One semester: three periods weekly. (Three semester hours.)

The consideration of principles which form the basis of satisfactory art expression. An opportunity to use intelligently and with a sense of workmanship some of the basic tools and techniques of the arts. The importance of art in everyday life is stressed.

I. English Composition. Miss Barlow. One semester: three periods weekly. (Three semester hours.)

Much practice in English expression: to suggest standards and methods of criticism and evaluation: to establish skill which will be necessary in other fields. Types of work include summaries, outlines, essays, accounts, research paper, brief grammar review, some oral expression, group and personal conferences.

I. Introduction to Mathematics. Miss West. One semester: three periods weekly. (Three semester hours.)

The main purpose of this course is to orient the student in social and life mathematics through a study of percentage and its applications; trade and commercial discounts; installment buying: the work of the modern bank: saving money: investing money: modern life insurance and annuities: taxes and revenues.

I. Physical Education. Miss Stafford. Two semesters: two periods weekly. (One semester hour.)

Through a program of sports, dancing and recreational activities, it is expected that the students will develop poise, fine posture, self-confidence, leadership and skill. From the first, the freshmen participate in the activities of the Women's Athletic Association thus finding fun, sociability, and physical fitness. Whenever possible, the activities are carried on out of doors. Activities include soccer, hockey, basketball, volleyball, softball, tennis, badminton, ping-pong, paddle tennis and tenniquoit, also social and folk dancing. Activities outside the college are also sponsored.

I. Hygiene. Miss Stafford. Two semesters: one period weekly. (Two semester hours.)

Problems of personal and community hygiene are studied. Students attempt to carry out in their own lives the best practices known whether in adjustment to college life, studying, commuting, earning money, or in the community program of hygiene. Current events in science, medicine, education, and world affairs pertaining to hygiene and safety in the life of the college student and the com-

munity are studied. Topics: colds; cleanliness; first aid; rest and fatigue; study habits; posture: care of the teeth, ears, feet; exercise; water and milk supply; sewage control; communicable diseases; home care of the sick; housing and nutrition.

I. Speech. Miss Gilbert. Two semesters: one period weekly. (One semester hour.)

Vocalization—detailed study of the vowel and consonant sounds of the best American speech: syllabification. Elimination of bad speech habits. Opportunity will be given to form the habits of good speech through frequent speaking and reading. Individual conferences planned from time to time to analyze and eliminate the speech difficulties of each student. Voice recording required.

I. World History. Dr. Farnsworth. Two semesters: three periods weekly. (Six semester hours.)

The purpose of this course is to familiarize the student with the important developments in the history of man from the earliest times to the present. During the first semester the following topics will be studied: prehistoric man, The Mediterranean World, The Roman Empire and its decline, The rise of the great European states, The Renaissance. During the second semester attention will be given to the commercial revolution, the expansion of Europe, the industrial revolution, growth of democracy, imperialism, the World War and the world of today.

I. Biological Science. Miss Scribner. One semester: six periods weekly. (Five semester hours.)

A general course dealing with the fundamental facts and principles of biology, and the relationships of plants, animals and man to each other. The course aims to inculcate a better understanding of biological phenomena which influence human health and civic welfare.

I. Literary Types and Forms. Miss O'Donnell. One semester: three periods weekly. (Three semester hours.)

This course includes a survey of the various types of literature: novel, short story, drama, poetry, biography, essay, criticism. Its aim is to help the student acquire a discriminating taste for literary excellence, and form standards of comparison. The material studied is chosen from contemporary literature as well as the classics.

I. Electives.

Note: Each elective course meets three periods weekly for the full year and counts six semester hours of credit. Any elective course which is not selected by a sufficient number of students may not be offered.

I. (E) College Algebra and Solid Geometry. Mr. Osborne. Two semesters: three periods weekly. (Six semester hours.)

This course is open to those who have had elementary algebra and plane geometry in the high school. College

algebra covers such topics as: quadratic equations, ratio, proportion and variation, progressions, logarithms, binomial theorem, mathematical induction, permutations and combinations, probability, determinants, mathematics of investment. Solid geometry treats of three dimensional relationships such as: lines and planes in space, prisms, pyramids, cylinders, cones, the sphere.

I. (E) Introduction to the Advanced Study of French. Miss McKelligett. Two semesters: three periods weekly. (Six semester hours.) Prerequisite to this course: three years of high school French or the equivalent.

This course has a triple aim: first, a study of French pronunciation, sounds in isolation and combination, the theory and application of phonetics, the principles of intonation: second, a review of grammar and verb forms with application in composition: third, an introduction to French civilization and culture.

I. (E) World Affairs. Mr. Jones. Two semesters: three periods weekly. (Six semester hours.)

Newspapers, current magazines, and recently published books will be used to follow significant international events, The course will also include a study of the background of the present world crisis: the rise of Nazi Germany since 1933: the expansion of Japan in Asia since 1931: the events that led to Munich: and the like. Sources of information will be investigated, such as newspapers, periodicals, books, and the radio. A study of propaganda will be made.

II. (E) Kindergarten-Primary I and II. Miss Wilmarth Two semesters: three periods weekly. (Six semester hours.)

A study of the historical background and development of Nursery, Kindergarten, and Primary grades. Interpreting the laws of learning in terms of the little child. This will be through a study of experiences and activities designed to meet the needs and interests of the growing child.

Discussion and study of original trends with emphasis on modern curriculum and reasons for unification of ideas of Nursery, Kindergarten, and Primary education (Early Childhood.) This will include construction of modern curriculums at each level and will be supplemented by observation in Nursery, Kindergarten, and Elementary grades.

Second Year

II. Handwriting. Miss West. One semester: one period weekly. (One-half semester hour.)

A course designed to train students to write well both on paper and on the blackboard. A study of letter-forms, page-arrangement, and the technique of writing.

II. Physical Education. Miss Stafford. Two semesters: two periods weekly. (One semester hour.)

The work of the sophomore year in physical education

carries on what was begun in the first year. It is expected that each student will work directly for his or her own development in poise, skill, leadership, and health, and will utilize knowledge of recreational sports in planning personal activities. Skill in the various sport activities is developed further.

II Principles of Geography. Dr. Shaw. One semester: three periods weekly. (Three semester hours.)

The fundamental aims of this course include an emphasis upon basic geographic principles and a broad overview of the field of geography. To attain these aims the student is introduced to geographic factors in land forms, location, climate, soils, minerals, flora and fauna together with examples of their influences upon and relationships to man and his activities.

II. Speech. Miss Gilbert. Two semesters: one period weekly. (One semester hour.)

1st semester: continued practice and advanced development of habits of speech: development of voice quality-pitch, rate, volume: speaking practice, and oral reading.

2nd semester: public speaking: forms of public address—the finding of matter and composing for delivery before an audience, over the radio, or in conversation: practice in the composition and delivery of whole units of narration, description, exposition, argumentation.

II. Survey of American Literature. Miss Barlow. One semester: three periods weekly. (Three semester hours.)

Knowledge of outstanding contributions of American writers: of relations between movements and the literature produced. Selections from American literature to present time.

II. Music. Miss Kendrick. One semester: three periods weekly. (Three semester hours.)

Elements of theory and notation: terms of expression and tempo definition: form: instruments of the orchestra: conducting.

II. United States History. Dr. Winslow. One semester: three periods weekly. (Three semester hours.)

Topics studied in this course are: European factors which resulted in colonization of America: "A New World Makes New Men": the American revolution and the formation of new government: westward expansion of the United States: the war between the states: the economic revolution—1870–1900: reaction against the new economic forces: the breakdown of industrialism and the "New Deal."

II. Geography of North America. Dr. Shaw. One semester: three periods weekly. (Three semester hours.)

The primary aims of this course are two. First to give

the student an understanding of principles and techniques in the field of regional geography: and second, to broaden the student's knowledge of the continent in which the United States plays a major role. Greatest emphasis is placed upon natural regions in our own country.

II. Government. Dr. Winslow. One semester: three periods weekly. (Three semester hours.)

The first part of this course will deal with the new concepts of the worth of the individual as a human being and his rights and liberties as they culminated in the intellectual revolution of the eighteenth century. This introduction will be followed by an intensive study of the motives, objectives, and results of the American revolution and the establishment of the democratic principle of government. The rest of the course will deal with the totalitarian theory of government beginning with Karl Marx and represented today by communism, fascism, and hitlerism, and the attempt of these forces to destroy democratic representative government wherever it exists. A study is made of the state and federal constitutions.

II. Physical Science. Mr. Osborne. One semester: five periods weekly. (Four semester hours.)

This is a survey course of the physical sciences. The aim is to give the student an understanding of the basic laws of science and a knowledge of their applications in the scientific environment in which we live. Students are given some opportunity to manipulate scientific apparatus and to demonstrate scientific procedures to their classmates.

II. Survey of English Literature. Miss O'Donnell. One semester: three periods weekly. (Three semester hours.)

A survey of the development of English literature from the old English period through the Victorian, including the study of the background and general characteristics of each period and the reading of ample selections from various authors.

II. Electives.

Note: Each elective course meets three periods weekly for the full year and counts six semester hours of credit. Any elective course which is not selected by a sufficient number of students may not be offered.

II. Art. II (E). Miss Shaw. One semester: four periods weekly. (Three semester hours.)

The aim of this course is twofold—to develop interets and skill and a spirit of experimentation through actual contact with media: to study man's artistic achievements in their historical setting.

II. (E) Cultural and Diplomatic History of Modern Europe. Dr. Winslow. Two semesters: three periods weekly. (Six semester hours.)

One semester treats of the changing mental content

and points of view which changed the mediaeval mind to the modern mind. The other semester deals with the growth of nationalism during the nineteenth century and the economic conflicts resulting therefrom, culminating in the First World War. This is followed by a study of the Treaty of Versailles, break-down of that settlement with the accompanying economic trends, the rise of national socialism, and the present world war.

II. (E) History of French Literature. Miss McKelligett. Two semesters: three periods weekly. (Six semester hours.)

A study of the development of French literature with emphasis on the historical and social background of the various periods, changes in the language, and the origins and growth of the literary forms. This course will be conducted in French.

II. (E) Introduction to Mathematical Analysis. Mr. Riordan. Two semesters: three periods weekly. (Six semester hours.)

This course is open to those who have had college algebra and solid geometry. It is designed to give a "bird's eye" view of trigonometry, analytical geometry, differential and integral calculus. Mathematics is treated in a unified whole.

IV. (E) Kindergarten-Primary III-IV. Miss Wilmarth Two semesters: three periods weekly. Six semester hours.)

The educational significance of materials and equipment in early childhood education. This will include a study of a variety of materials such as work, play, music, testing and reading readiness as they affect the all round development of the child. Opportunity will be provided for use of these materials in the classroom.

II. (E) a. Modern Literature. Miss O'Donnell. b. 19th Century Poetry. Miss Gilbert. Two semesters: three periods weekly. (Six semester hours.)

a. Consideration of the prose of outstanding English and American authors of the late 19th and 20th century, showing the break with Victorianism and the development of modern literature.

b. A study of the following poets of the Victorian era is made: Wordsworth, Byron, Shelley, Keats, Browning, Tennyson.

Elementary School Curriculum Courses

For students preparing to teach in grades I-VIII.

Third Year

Note: The courses in the first two years are the same in both curriculums.

III. Arithmetic. Miss West. One semester: three periods weekly. (Three semester hours.)

In this course an attempt is made to train the student

in the development of efficient technique in the teaching of arithmetic in the first eight grades. Some of the topics included are: number needs and interests of little children; the fundamental processes; fractions; decimals; percentage and its various applications; interest (several methods); areas and volumes; graphs; meters.

III. Art as Education. Miss Shaw. One semester: two periods weekly. (Two semester hours.)

The place of art in the pattern of general education: contemporary practices in art education with particular emphasis on the study of integrative activities.

III. Educational Psychology. Mr. Shea. One semester: three periods weekly. (Three semester hours.)

A functional study of the problem of growth, learning, and guidance from the viewpoint of mental hygiene. Kinds and goals of learning: concomitant learning: reflective thinking and problem solving: motivation: creative activity in the school: development and control of emotion: social evolution and character formation: personality: the learning process in the fundamental school subjects: individual differences: intelligence and achievement: abilities and disabilities: guidance: grading and evaluating: adjustment and maladjustment.

III. Physical Education. Miss Stafford. One semester: two periods weekly. (One-half semester hour.)

A study is made of the content and teaching techniques of the modern program of physical education in the public schools. The activities used are those in the course of study for Massachusetts, including games and sports, lead-up games, relays, self-testing activities, rhythms, dances and story plays, safety on the playground, in the playroom and gymnasium, and health teaching concomitant with such activities: also participation in the sports program of the Athletic Association. When needed, class time is used to promote skill in the activities.

III. Principles of Teaching. Dr. Foster. One semester: six periods weekly. (Four semester hours.)

Principles of the learning process are developed as a foundation for principles of teaching. Types of lessons: technique of assignments and study: unit, and activity planning as well as testing: grading: diagnostic procedures: and remedial teachings are stressed. Four periods are spent weekly in class work and two periods in observation and discussion of work observed in the training schools. This course serves as a preparation for practice teaching.

III. Reading. Miss Barlow. One semester; three periods weekly. (Three semester hours.)

Knowledge of the basic systems of reading: an intelligent use of these systems: effective techniques of teaching reading: knowledge of the use of tests in the field of reading: a background of professional reading.

III. Teaching of Music. Miss Kendrick. One semester: two periods weekly. (Two semester hours.)

Aims, methods, and procedures in music for elementary grades: child voice: correct tone production: correction of tonal faults: basis of selection of songs for the grades: scale intervals: ear training: rhythmic principles and responses: habits and skills in music reading: creative units: course of study.

III. Teaching Handwriting. Miss West. One semester: one period weekly. (One-half semester hour.)

As its name implies, this course is one of method and is based on the work of the second year. Both cursive and manuscript systems are studied. The approved manner of teaching left-handed pupils is given careful consideration. There is much actual practice in teaching short writing lessons.

III. Child Psychology. Mr. Shea. One semester: two periods weekly. (Two semester hours.)

Methods and viewpoints in child psychology: heredity and environment: maturation: growth and development of meaning: learning: social and ethical behavior: personality: examination of the work of modern child research centers. Directed individual observation and study of children required of all students forms the basis of the course.

III. Conference. Dr. Foster. One semester: one period weekly. (No semester hour.)

During practice teaching the apprentices meet in a conference period for discussion of general problems of the beginning teacher. Such problems are considered as successful management, economy of time, teaching procedures, evidences of good method, what the training teacher expects, professional ethics, proper student-supervisor relationships, and personality.

III. Speech. Miss Gilbert. One semester: one period. weekly. (One-half semester hour.)

This is a continuation of Speech II. Oral interpretation of selections of prose, poetry, and drama with special emphasis on matter pertinent to the teaching necessities of the students.

III. Practice Teaching. One semester: four days weekly. (Twelve semester hours.)

This course offers actual practice in the profession under helpful and sympathetic teachers in the schools of Worcester and vicinity. Members of the college supervisory staff assume responsibility for frequent supervision. The student is given opportunity to apply previously acquired theoretical knowledge: to plan lessons and assume increasing responsibility for classroom management: to develop skill in the use of techniques of teaching.

During the training period students return to the college for class work and conferences one day each week. There are no electives during the third year.

Fourth Year

IV. Children's Language and Literature. Miss Barlow. One semester: four periods weekly. (Four semester hours.)

The course is designed to acquaint the students with literature suitable for grades I through VIII: both the selection and telling of stories emphasized: a study of the language facts to be taught in the grades: diagnostic and remedial procedures in children's oral and written language: attention given to standard tests and modern courses of study.

IV. Economics. Dr. Farnsworth. One semester: two periods weekly. (Two semester hours.)

This course places emphasis on the basic principle and on the nature of economic reasoning and provides a study of some of the present day economic problems and the methods employed to solve them.

IV. History and Philosophy of Education. Mr. Riordan. One semester: two periods weekly. (Two semester hours.)

Particular emphasis is placed on the history of education in United States and on modern education: influences and movements that have brought about the present ideals and practices in education with emphasis on current problems: study of the philosophy of the leaders of the various movements: the nature, function, and scope of a philosophy of education.

IV. Physical Education. Miss Stafford. Two semesters: two periods weekly. (One semester hour.)

Participation in the sports program of the Women's Athletic Association. When needed class time is used to promote skill in the activities. The relation between recreational athletics and the high school and community is brought out and students are assisted in planning ways to carry on the guidance of high school students in cooperation with the health and physical education departments. Ways of integrating health, safety, and physical education in the high school are shown.

IV. Regional Geography—Eastern and Western Hemispheres. Dr. Shaw. Two semesters: three periods weekly. (Six semester hours.)

In this course techniques acquired in the work on regional geography of North America are applied to the study of Latin America, Europe, Asia, Africa, and Australia. Greatest stress is placed upon such major geographic regions as the Argentine Pampa, the Yangtse Basin, the North European Plain, the Mediterranean Region of Africa, the Southeast Coast of Australia, and others of like significance.

IV. Nature Study. Miss Scribner. One semester: two periods weekly. (Two semester hours.)

A course which aims to provide the student with a

basis for the teaching of nature study in the elementary grades. Specimens are those obtained in the field or such as can be readily provided in any classroom.

IV. Teaching of Science. Miss Scribner. One semester: two periods. (Two semester hours.)

Curriculums, courses of study, materials, procedures and objectives of science teaching will be considered.

IV. Teaching of Social Studies. Dr. Farnsworth. One semester: two periods weekly. (Two semester hours.)

A study of the aims, principles and methods of teaching history and geography in the elementary schools. It includes a consideration of the social duties and opportunities of citizens both young and old: the collecting and examination of texts and illustrative material. Emphasis is placed upon visual education, selection of material for courses of study, types of pupil activity, and testing.

IV. Contemporary Literature. Miss Barlow. One semester: three periods weekly. (Three semester hours.)

Knowledge of what is being written: who writes: philosophy expressed: effect of social changes: increased enjoyment of literature: standards of judging: selections from English and American writers since the nineteenth century: modern literary history.

IV. Mental Hygiene. Mr. Shea. One semester: two periods weekly. (Two semester hours.)

Integration and adjustment: conditioning: the hygiene of instruction: conflict and mental mechanisms: overpressure and overstimulation in the school: mental health of the subnormal, accelerated, and normal pupil: mental hygiene and the home: mental health of the teacher. Opportunities will be given for contact with the staff of the Worcester Child Guidance Clinic. Independent case studies will be undertaken by each student under the guidance of the instructor.

IV. Sociology. Mr. Jones. One semester: two periods weekly. (Two semester hours.)

This course is designed to acquaint the student with man's cultural heritage, the environmental and biological forces that shape personality, the influence of the group on the individual, the nature of social institutions, and the character of social change. Stress is laid on contemporary American society, recent trends in population, the family, propaganda, influence of the motion picture, the auto and the radio, and the effects of the war. Social problems to be discussed include: crime, social security, proverty, housing and war.

IV. Tests and Measurements. Mr. Riordan. One semester: three periods weekly. (Three semester hours.)

A practical knowledge of mental and educational test-

ing for varied school purposes. Measurement techniques for group surveys and individual pupil diagnosis are studied and students secure practice in giving, scoring, and interpreting a variety of tests. Topics include: characteristics of standardized tests: the study and diagnosis of pupil aptitudes and abilities: test selection: interpreting data: school programs in measurement.

Junior and Senior High School Curriculum

For students preparing to teach special subjects in Grades VII-XII.

Note: During the first two years the courses are the same in both curriculums.

During the third and fourth years each student is expected to confine his electives to two fields. These may be English, French, geography, history, social science, or science and mathematics. Eighteen semester hours of credit are the minimum in a special field.

Third Year

III. Mental Hygiene. Mr. Shea. One semester; two periods weekly. (Two semester hours.)

III. Secondary Education. Mr. Riordan. One semester: two periods weekly. (Two semester hours.)

The secondary school: its history and place in the educational system: reorganizations suggested. The pupils: characteristics, individual differences, guidance. The curriculum: its aims, content, and methods in each subject field.

III. Physical Education. Miss Stafford. Two semesters: two periods weekly. (One semester hour.)

III. Sociology. Mr. Jones. One semester: three periods weekly. (Three semester hours.)

III. Economics. Dr. Farnsworth. One semester: three periods weekly. (Three semester hours.)

III. Educational Psychology. Mr. Shea. One semester: three periods weekly. (Three semester hours.)

III. Principles of Teaching. Dr. Foster and Miss West. One semester: six periods weekly. (Four semester hours.)

III. Reading in Jr. and Sr. High School. Miss Barlow. One semester: three periods weekly. (Three semester hours.)

Techniques in directing individual and cooperative reading activities on the secondary school level. Diagnostic and remedial practices for insuring progressive

growth in reading efficiency. Function of reading skills in the various subject matter fields.

Six courses listed above are the same as those described in the Elementary School Curriculum.

III. Electives

Each elective course meets six periods weekly for a semester and counts six semester hours of credit. Courses a. and b. are taken in the same semester.

III. (E) a. The Classical Period in French Literature and b. Advanced French Composition and Literature. Miss McKelligett. First semester: six periods weekly. (Six semester hours.)

a. A study of the influences, historical, social and artistic which led to the formation of the classic ideal. Life and works of the three leading dramatists of the period,—Corneille, Moliere, and Racine; conducted in French. An original study of some phase of classicism and intensive study of one work of each of the leading dramatists will be included in this course.

b. This course is designed to increase ability to speak and to understand French, and to write it with greater ease through the use of grammatical forms, common and advanced idiomatic expressions, and vocabulary units, centered about topics of common interest: conducted in French.

III. (E) a.Physiography and b. Climatology. Dr. Shaw. First semester: six periods weekly. Six semester hours.)

Many geographers feel that climate and land forms are most significant factors in the field of geography. Because of this significance, six hours are given to the study of these important phases of geography. The preparation of graphs, charts, and the study of weather maps, topographic sheets, and rocks and minerals form an important part of the course. The first quarter's work is devoted to weather and climate and the second quarter is given over to geology.

III. (E) a. Ancient History and b. English History. Mr. Jones and Dr. Winslow. First semester: six periods weekly. (Six semester hours.)

a. This course provides for an intensive study of some of the significant periods: *e.g.*, Egypt in the Pyramid Age; the Age of Pericles; Alexander's Empire; the Augustan Age. Under each period industry and commerce, government, art, literature, and social organization will be considered.

b. This course will cover the period from the Saxon Conquest down to the present. Social and economic conditions as well as political history will be emphasized. The modern period will be stressed.

III. (E) a. Shakespeare and b. 18th Century Literature. Miss Gilbert. (First semester: six periods weekly.) (Six semester hours.)

a. Twelve or fifteen plays are read and studied for Shakespeare's consummate art. Necessary background is

given the student through consideration of Shakespeare's life and times, and of his contemporary and pre-Shakespearean drama.

b. The literature of the century is studied in two periods—the Age of Pope and the Age of Johnson—developing in the first the classical tradition, and in the second the approach to Romanticism.

III. (E) a. Calculus. Mr. Osborne. First semester: three periods weekly. (Three semester hours.)

This is a continuation of the course "Introduction to Mathematical Analysis" and is open only to those who have successfully completed that course or its equivalent. It is designed to go more deeply into the theory and application of the differential and integral calculus. There will be some work in the field of differential equations.

III. (E) b. Introduction to General Chemistry. Mr. Osborne. (First semester: four periods weekly.) (Three semester hours.)

Fundamental facts and principles. Study of the common elements and their compounds. Laboratory work included.

Fourth Year

IV. Conference. Dr. Foster. One semester: one period weekly. (No semester hour.)

Same as that described in the Elementary School Curriculum.

IV. Psychology of Adolescence. Mr. Shea. One semester: two periods weekly. (Two semester hours.)

A general survey of the physical, mental, and sociomoral aspects of pubescence and adolescence: growth and maturation of mental powers and functions: motive and drive: the social self: the adolescent and his emotions: the role of conflict in the maturing individual: delinquency and crime: satisfiers and annoyers: adolescent interests: ideals and ambitions: the adolescent and his school: moral and religious development: vocational counsel: exploration and guidance: the youth movement.

IV. Practice Teaching. One semester: four days weekly. (Twelve semester hours.)

IV. History and Philosophy of Education. Mr. Riordan. One semester: two periods weekly. (Two semester hours.)

IV. Physical Education. Miss Stafford. One semester: two periods weekly. (One-half semester hour.)

IV. Tests and Measurements. Mr. Riordan. One semester: three periods weekly. (Three semester hours.)

The above four courses are the same as those described in the Elementary Curriculum.

IV. Electives.

Note: There are no electives during the first semester.

Second semester. Each elective course meets six periods weekly and counts for six semester hours of credit.

IV. (E) Economic and Political Geography. Dr. Shaw. One semester: six periods weekly. (Six semester hours.)

In the field of economic geography special attention is given to where world commodities and industrial products may be produced, where they are actually produced, and why people choose to produce them where they do. One quarter is given to this subject and one quarter is devoted to political geography, a study involving geographic influences in national and international relations.

IV. (E) French Literature of the 19th Century. Miss McKelligett. One semester: six periods weekly. (Six semester hours.)

This course consists of various movements in French literature from the Revolution to the present day, tracing historical, social, and artistic origins: characteristics of the different periods, with special emphasis upon representative writers and works.

IV. (E) Physics. Mr. Osborne. One semester: six periods weekly. (Six semester hours.)

This course will include a study of matter and physical phenomena; fundamental laws and theories and the application of these to every-day life in the home and in industry. Each student will be required to carry out several individual projects in the laboratory.

IV. (E) History of the United States Since 1865. Dr. Winslow. One semester: five periods weekly. (Five semester hours.)

While this is an intensive course in recent United States history, emphasis varies from year to year due to changing national problems and policies. Units of study treated are the Civil War, the economic revolution, the Supreme Court, expansion of power of the Federal government over the states, the United States and the World War, post war prosperity, depression, the New Deal, and national defense.

IV. (E) World Literature. Miss O'Donnell. One semester: five periods weekly. (Five semester hours.)

This course presents a panoramic view of the literature of the world, omitting English and American literature and touching lightly that of the East. The Greek and Roman masterpieces are studied for ancient times, parts of Dante for the Middle Ages, and selections for the later periods.

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